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Appl. No. 09/773,627

AMENDED CLAIM SET:

1. (previously presented) A thermoplastic resin integrated structure, which comprises:

a structural member (A) molded from a resin composition (a) comprising 5-80% by weight of polyacetal resin (a-1) and 20-95% by weight of at least one resin (a-2) selected from the group consisting of polyolefin resin, olefinic elastomer and hydrogenated butadienic elastomer;

a structural member (B) molded from thermoplastic resin (b); and a structural member (C) consisting essentially of polyacetal resin (c), and includes at least one structure of structural member (C) – structural member (A) – structural member (B) as integrated together in this order,

wherein the structural member (A) and the structural member (B) are integrated together by welding

2. (cancelled).

- 3. (previously presented) A thermoplastic resin integrated structure according to claim 1, wherein the structural member (A) is a laminate composed of at least two layers each molded from the resin compositions (a), which are different from each other in the composition.
- 4. (previously presented) A thermoplastic resin integrated structure according to Claim 3, wherein content of polyacetal resin (a-1) in the layer in contact with the structural member (C) is larger than that of polyacetal resin (a-1) in the layer in contact with the structural member (B).

- 5. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the polyacetal resin (a-1) is a polyacetal copolymer having hydroxyalkyl groups at the molecule terminals and a hydroxyalkyl group terminal concentration of not less than $5x10^{-5}$ mole per mole of oxymethylene units.
- 6. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the polyacetal resin (a-1) comprises a polyacetal copolymer obtained by using water or an aliphatic alcohol having not more than 10 carbon atoms as a chain transfer agent, or together with formal, if required.
- 7. (original) A thermoplastic resin integrated structure according to Claim 1, the polyacetal resin (a-1) comprises a polyacetal block copolymer obtained by copolymerizing cyclic acetal with cyclic ether and/or cyclic formal, using a polymer having at least one hydroxyl group and a molecular weight of 500-10,000 as a chain transfer agent.
- 8. (original) A thermoplastic resin integrated structure according to any one of Claims 1-7, wherein the polyacetal resin (a-1) comprises a polyacetal block copolymer having a number average molecular weight of 10,000-500,000, which comprises polyacetal segments (X) and a hydrogenated polybutadiene segment (Y) having a number average molecular weight of 500-10,000, hydroxyalkylated at both ends, represented by the following formula (1):

[where X comprises 95-99.9 mpl.% of oxymethylene units and 0.1-5 mol.% of oxyalkylene units represented by the following formula (2):

$$\begin{array}{c|c}
R^2 \\
\downarrow \\
\downarrow \\
R^2
\end{array}$$
(2)

(where R² is independently selected from the group consisting of hydrogen, an alkyl group, a substituted all yl group, an aryl group and a substituted aryl group and j is an integer selected from 2 to 6), and the terminal groups are polyacetal copolymer residues having a structure represented by the following formula (3):

(where R² and j have the same in eanings as defined above), Y is a hydrogenated polybutadiene containing 70-98 mol.% of 1,2 bonds and 2-30 mol.% of 1.4 bonds and having an iodine value of not more than 20g-I₂/100g, R¹ is independently selected from the group consisting of hydrogen, an alkyl group, a substituted alkyl group, an aryl group and a substituted aryl group and k is an integer selected from 2 to 6, where two ks may be the same or different from each other].

9. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the resin (a-2) is at least one resin selected from the group consisting of polyethylene homopolymer, polyethylene copolymer, block copolymer containing ethylene as the main component and ionomer.

- 10. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the resin (a-2) is a modified a-olefinic polymer.
- 11. (previously presented) A thermoplastic resin integrated structure according to Claim 1, wherein the resin (a-2) is a resin composition comprising: at least one resin selected from the group consisting of polyethylene homopolymer, polyethylene copolymer, block copolymer containing ethylene as the main component and ionomer; and

at least one resin selected from the group consisting of modified a-olefinic polymers.

12. (previously presented) A thermoplastic resin integrated structure according to Claim 8, wherein the resin (a-2) is a resin composition comprising: at least one resin selected from the group consisting of polyethylene homopolymer, polyethylene copolymer, block copolymer containing ethylene as the main component and ionomer; and

at least one resin selected from the group consisting of modified a-olefinic polymers.

- 13. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the thermoplastic resin (b) is a polyolefin resin.
- 14. (previously presented) A thermoplastic resin integrated structure according to Claim 1, wherein the thermoplastic resin (b) is a resin selected from the group consisting of polyethylene homopolymer, polyethylene copolymer, block copolymer containing ethylene as the main component, ionomer and mixtures of at least two thereof.

- 15. (previously presented) A thermoplastic resin integrated structure according to Claim 8, wherein the thermoplastic resin (b) is a resin selected from the group consisting of polyethylene homopolymer, polyethylene copolymer, block copolymer containing ethylene as the main component, ionomer and mixtures of at least two thereof.
- 16. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the thermoplastic resin (b) is a modified a olefinic polymer.
- 17. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the thermoplastic resin (b) is a polyacetal resin.
- 18. (currently amended) A thermoplastic resin integrated structure according to Claim 1, [[whe]] wherein the thermoplastic resin (b) is a polyamide resin.
 - 19. (cancelled).
- 20. (original) A thermoplastic resin integrated structure according to Claim 8, wherein the structural member (A) and the structural member (B) are integrated together by welding
- 21. (original) A thermoplastic resin integrated structure according to Claim 1, wherein the structural member (A) and the structural member (B) are integrated together by a molding process selected from the group consisting of injection molding of different materials, resin insert injection molding, coextrusion molding of different materials and multilayer blow molding.

- 22. (previously presented) A thermoplastic resin integrated structure according to Claim 1, wherein the structural members (C)-(A)-(B) are integrated together in this order by welding or a molding process selected from the group consisting of injection molding of different materials, resin insert injection molding, coextrusion molding of different materials and multilayer blow molding.
- 23. (original) Automobile parts made from the thermoplastic resin integrated structure according to Claim 8.
- 24. (original) Automobile fuel-tank-related parts made from the thermoplastic resin integrated structure according to Claim 8.
- 25. (previously presented) A method of integrating a structural member (B) molded from polyolefin resin and a structural member (C) consisting essentially of polyacetal resin, comprising using a structural member (A) molded from a resin composition (a) comprising 5-80% by weight of polyacetal resin (a-1) and 20-95% by weight of at least one resin (a-2) selected from the group consisting of polyolefin resin, olefinic elastomer and hydrogenated butadienic elastomer.

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